

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Juan, Puerto Rico

## MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

August

2013

TO: Hydrologic Information Center, W/OS31  
NOAA's National Weather Service  
1325 East West Highway  
Silver Spring, MD 20910-3283

SIGNATURE

Althea Austin-Smith,  
Service Hydrologist

DATE

09/14/2013

*When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).*

☐

An X inside this box indicates that no flooding occurred within this hydrologic service area.

Summary: The San Juan ASOS reported 7.42 inches (record) of rain for the month of August; 1.96 inches greater than the normal of 5.46 inches. The ASOS rainfall report from Cyril E. King Airport in St. Thomas was 7.69 inches for the month of August; 3.95 inches greater than the normal of 3.74 inches. The ASOS rainfall report from Christiansted Airport in St. Croix was 4.63 inches for the month of August; 1.48 inches greater than the normal of 3.15 inches.

*"A generally fair weather pattern prevailed across the local islands during August 2013, with afternoon showers and thunderstorms across sectors of the Cordillera Central, western Puerto Rico and portion of the San Juan Metro Area each day. These showers and thunderstorms were the result of available moisture combined with sea breezes and diurnal heating. Scattered to locally numerous showers and thunderstorms were also seen across the local islands from time to time during the month mainly associated with the passage of easterly disturbances and tropical waves."*

*(Excerpt - Please see (<http://www.srh.noaa.gov/sju/?n=aug2013cr>) for August's complete Climate Report.)*

The spotlight remained on the San Juan Metro Area and St. Thomas Virgin Islands during the month of August as far as rainfall was concerned. *"August 2013 turned out to be the 4th wettest August on record at the Cyril E. King Airport in Saint Thomas with 7.69 inches. In addition, summer 2013 (June-July-August) ended as the 2nd and 3rd wettest summer on record at LMM Intl Airport in San Juan and Cyril E king Airport with 32.89 and 16.36 inches respectively."*

Once again there were significant impacts in the San Juan Metro from the heavy rainfall towards the end of the month. Not only was flash flood reported but mudslides were also an issue from the continual rainfall during August. Another focus area this month was along the South Coast of Puerto Rico where heavy rain resulted in periods of urban and small stream flooding.

See details of some flood reports in the LSR reports below:

## Local Storm Reports for August 2013

..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...	....MAG....	..COUNTY LOCATION..`ST..	...SOURCE....
0630 PM 08/06/2013	FLASH FLOOD	PONCE PONCE	17.99N 66.61W PR CO-OP OBSERVER
COOP OBSERVER CALLED TO REPORT THAT INABON RIVER OUT OF ITS BANKS.			
0700 AM 08/20/2013	FLOOD	PATILLAS PATILLAS	18.01N 66.01W PR EMERGENCY MNGR
BARRIO MARIN BAJO ROAD PR-759 WAS REPORTED URBAN FLOODING.			
0300 PM 08/23/2013	HEAVY RAIN U0.00 INCH	TRUJILLO ALTO TRUJILLO ALTO	18.36N 66.02W PR EMERGENCY MNGR
A MUDSLIDE WAS REPORTED AT ROAD PR-175 IN BARRIO CARRAIZO.			
0336 PM 08/29/2013	FLASH FLOOD	BAYAMON BAYAMON	18.38N 66.16W PR EMERGENCY MNGR
SANTA ROSA SECTOR, SIERRA LINDA SECTOR, AND LOMAS VERDES WERE REPORTED FLOODED.			
0356 PM 08/29/2013	FLASH FLOOD	SAN JUAN SAN JUAN	18.41N 66.06W PR EMERGENCY MNGR
RIO PUERTO NUEVO WAS REPORTED OUT OF ITS BANKS.			
0351 PM 08/29/2013	FLASH FLOOD	GUAYNABO GUAYNABO	18.39N 66.11W PR EMERGENCY MNGR
ROAD PR-19 IN FRONT OF GARDEN HILLS SECTOR WAS REPORTED FLOODED.			
0452 PM 08/29/2013	FLASH FLOOD	SAN JUAN SAN JUAN	18.41N 66.06W PR PUBLIC
SAN CLAUDIO AVENUE WAS REPORTED FLOODED AND IMPASSABLE.			

The approximate amounts of Hydrologic Products issued during the month of August are as follows:

Non-Routine Hydrologic Products Issued:	Approximate number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	0
Flood Warnings (SJUFLWSJU)	0
Flash Flood Warnings (SJUFFWSJU)	4
Flash Flood Statements (SJUFFSSJU)	4
Urban/Small Stream Flood Advisories (SJUFLSSJU)	68

Here is the August 2013 rainfall totals graphic.

([http://www.srh.noaa.gov/images/sju/climo/monthly\\_reports//2013/August2013RainTotalv3.png](http://www.srh.noaa.gov/images/sju/climo/monthly_reports//2013/August2013RainTotalv3.png))

For monthly “radar totals” use the archive of the Advanced Hydrologic Prediction Service (AHPS) - click on the Precipitation interface for San Juan, Puerto Rico and request the duration you would like to view...daily or monthly remembering that the 24 hour totals are from 12z – 12z (8am to 8am in PR) - AHPS archive of radar totals/ images.

(<http://water.weather.gov/ahps2/precip.php?wfo=sju>)